

7th Workshop of the Stable North America Working Group (SNARF)

Tuesday 27 March 2007, 8 am - 3 pm

Driftwood Room, Portola Plaza Hotel, Monterey

Announcement. This is one in a series of several workshops for invited members of the Stable North America Reference Frame Working Group. The SNARF WG is an EarthScope-funded collaboration of UNAVCO investigators and the national surveys of USA and Canada, tasked jointly by the UNAVCO Governing Board and the International Association of Geodesy Commission on ReferenceFrames, to define a geodetic reference frame attached to stable North America. In the context of EarthScope, the goal is to provide a reference frame useful to EarthScope investigators. The current status is that the Plate Boundary Observatory now operationally uses a reference frame derived by the research of the SNARF WG. The goal of this workshop is to assess how the current reference frame is performing, to discuss ideas for future improvements, and to plan future work. At this stage of the project we particularly encourage feedback from regional users of the SNARF reference frame who are analyzing data in the region of the NA-PA plate boundary, even if those users have not so far participated in previous workshops.

Confirmed Participants:

Geoff Blewitt (chair)
Luciana Astiz
Rick Bennett
Eric Calais
Mike Craymer
Peng Fang
Jeff Freymueller
Bill Hammond
Corné Kreemer
Sue Owen
Chris Pearson
Hans-Peter Plag
Marcelo Santillan
Frank Webb

Additional interested attendees are welcome.

Final Agenda

8:00 am *Room available. Buffet breakfast.*

9:00 Blewitt: Finalize the agenda.

9:10 Blewitt: Chair's report

- Recap of prior meetings
- SNARF status
- Funding status

9:30 TECHNICAL PRESENTATIONS, REPORTS, AND/OR DISCUSSION

Time is flexible: 5-40 min each. Presentations can be as formal or informal as you please.

- Craymer, Calais: Analysis group reports: Updates on GPS analysis for SNARF
- Fang: "SOPAC reanalysis and web tools"
- Sella (presented by Craymer) Progress on Metadata and Station/Data Quality Issues
- Blewitt: "Software Development: Massive, rapid network processing with ambiguity resolution"
- Freymueller: "How well do we know the North American frame today?: Differences between recent realizations and implications"
- Kreemer, Bennett, Santillan: Regional group reports "Experiences in NA reference frame realization for WUS velocity field estimation"
- Plag: "Combination of GPS-observed vertical motion with absolute gravity changes constrains the tie between reference frame origin and Earth center of mass"
- Any other technical contributions

12:30 *Buffet lunch.*

1:00 Technical presentations and discussion (continued)

2:00 General Technical Discussion: How can SNARF be improved and what are the prospects? (e.g., New data, new observation models/capabilities, reprocessing, GIA and other geophysical models, accounting for site quality, stochastic modeling, ...)

2:20 General Organizational Discussion: How is SNARF meeting the needs of users and how can that be improved? (e.g., products, metadata, web pages, user education, ...).

2:40 Future meetings and plans

3:00 (or earlier) Adjourn.
